

## SPECIAL PAPERS ON GENERAL METEOROLOGY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies.

**Brooks, Charles F.**

The snowfall of the United States. [London. 1913.] 81-86 p. plate. 8°. (From the Quarterly journal of the Royal meteorological society, Apr. 1913. v. 39, no. 166.)

**Cienfuegos. Colegio "Ntra. Sra. de Montserrat." Observatorio.**

Anales, No. 2. Observaciones meteorológicas de 1912. Habana. 1913. v. [96] p. f°.

**[Finska vetenskaps-societeten.] Finländische hydrographisch-biologische Untersuchungen.**

No. 8. Beobachtungen von Temperatur und Salzgehalt an festen Stationen, 1900-1910. Helsingfors. 1912. 78 p. f°.

No. 9. Beobachtungen von Oberflächenstrom, Tiefenstrom und Wind an Feuerschiffen, 1900-1910. Helsingfors. 1912. 100 p. f°.

No. 10. Jahrbuch, 1911. Helsingfors. 1912. 132 p. 4 pl. f°.

**Jahrbuch der Luftfahrt.**

2. Jahrgang 1912. Herausgegeben von Ansbert Vorreiter. München. 1912. xv, 686 p. illus. 8°.

**Jensen, Chr[istian].**

Die Polarisationsgrösse des blauen Himmelslichtes nach Sonnenuntergang. [Halle.] n. d. 11 p. 12°. (Separat-Abdruck aus Jahrbuch für Photographie u. Reproduktionstechnik für das Jahr 1912.)

Über die grosse atmosphärisch-optische Störung von 1912. [Berlin. 1912.] 12 p. 8°. (Separatabdruck aus den Mitteilungen der Vereinigung von Freunden der Astronomie und kosmischen Physik.)

**Lindholm, F.**

Extinction des radiations solaires dans l'atmosphère terrestre. Etude basée sur les observations spectro-bolométriques faites à l'Institut de physique d'Upsala pendant l'année 1912. Upsala. 1913. 2 p. 1, 93 p. 3 pl. 4°. (Nova acta Regiae societatis scientiarum Upsaliensis. Ser. 4, v. 3, no. 6.)

**Manila. Observatorio central.**

Código meteorológico internacional, 1872-1910. Versión española de la 2da edición alemana. Manila. 1913. 92 p. 8°.

**Milan. Reale osservatorio astronomico di Brera.**

Osservazioni meteorologiche e geofisiche, 1912. Ser. 3, v. 4. Milan. 1913. xiii, 51 p. 4°.

**Mysore. Meteorological department.**

Report on rainfall registration in Mysore, 1911. Bangalore. 1913. xvi, 49 p. 3 pl. 2 maps. 4°.

**Norway. Norske meteorologiske institut.**

Aarsberetning for 1911/12. [Kristiania.] 1912. 13 p. 12°. Jahrbuch, 1912. Kristiania. 1913. xii, 138 p. f°.

Nedbøriagttagelser i Norge, Aargang 18, 1912. Kristiania. 1913. [xiii], 78, 65 p. f°.

Oversigt over luftens temperatur og nedbøren i Norge, 1911. Kristiania. [1912]. 21 p. 8°.

**Osaka (Japan). Meteorological observatory.**

Annual report, 1912. Pt. 1. [Japanese.] Osaka. 1913. 8°.

**Philippine Islands. Weather bureau.**

Annual report of the Director, 1909. Pt. 3. Meteorological observations at secondary stations. Manila, 1913. 278 p. 4°.

**Ramos da Costa, [A.]**

Ramos da Costa's dícerounograph. Lisboa. 1911. 7 p. 8°. [Description, in English, of a Portuguese thunderstorm-recorder employing double coherers and decoherers.]

**Richarz, F.**

Ueber Erweiterungen und Bestätigungen meiner Erklärung des Lichtmaximums beim Brockengespinst und um den Korb-schatten eines Ballons. [Together with] K. Stuchtey: Aufnahmen von hellen Ringen und Säulen um den Ballonschatten und deren künstliche Nachbildung. 9 p. 8°. (Sonderabdruck: Sitzber. Gesell. z. Beford. Gesam. Naturw. Marburg. No. 5. 10. Juli 1912.)

**Tables annuelles** de constantes et données numériques de chimie, de physique et de technologie. v. 2, année 1911. Paris. 1913. xl, 759 p. 4°.

## RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*American geographical society. Bulletin. New York. v. 45. July, 1913.*

**Brown, Robert M.** The Ohio River floods of 1913. p. 500-509.

*American philosophical society. Journal. Philadelphia. v. 52. April, 1913.*

**Livingston, Burton Edward.** Climatic areas of the United States as related to plant growth. p. 257-275.

*Astrophysical journal. Chicago. v. 37. June, 1913.*

**Ångström, Anders.** Studies of the nocturnal radiation to space. p. 305-321.

**Fowle, F[rederick] E[eugene].** The determination of aqueous vapor above Mount Wilson. p. 359-372.

*British association for the advancement of science. Report. 82d meeting, Dundee, 1912. London. 1913.*

**White, Margaret.** On the velocity and direction of the wind above ground level. p. 420-422.

**White, Margaret.** On the temperature of the upper atmosphere. p. 422-424.

**Martin, Edward A.** Dew-ponds and mist-ponds. p. 530-531.

**Myres, J. L.** Note on some effects of climatic pulsation in a highland region. p. 534-535.

*International institute of agriculture. Bureau of agricultural intelligence and of plant diseases. Monthly bulletin. Rome. 4th year. June, 1913.*

*Weather forecasting and sun spots. p. 876-877. [Abstract.]*

*London, Edinburgh and Dublin philosophical magazine. London. 6th ser. v. 26. July, 1913.*

**Patterson, J.** Self-recording electrometer. p. 200-209.

*Nature. London. v. 91. 1913.*

**Backhouse, T. W.** Anthelia. p. 399. (June 19.)

**Chree, C[harles].** The Potsdam meteorological and magnetic observatories. p. 401-402. (June 19.) [Abstract.]

**T., T. E.** The oxygen content of the atmosphere. p. 400-401. (June 19.) [Abstract of memoir by Benedict.]

*Remarkable drought in the Philippines. p. 409. (June 19.)*

**Hughes, A. L.** The ionisation of gases in the Schumann region. p. 450. (July 3.)

**Jex-Blake, A. J.** Death by electric currents and by lightning. p. 466-469. (July 3.) [Important account of the physiological and pathological effects of lightning.]

*Science. New York. v. 38. July 18, 1913.*

**Zon, Raphael.** The relation of forests in the Atlantic plain to the humidity of the central states and prairie region. p. 63-75.

*Seismological society of America. Bulletin. Stanford university. v. 3. June, 1913.*

**Sayles, R[obert] W[ilcox].** Earthquakes and rainfall. p. 51-56.

*Symons's meteorological magazine. London. v. 48. June, 1913.*

**Mossmann, R. C.** Southern hemisphere seasonal correlations. p. 82-85.

*U. S. Office of experiment stations. Experiment station record. Washington. v. 28. June, 1913.*

[*Agricultural meteorology.*] p. 701-707.

*Washington academy of sciences. Journal. Washington. v. 8. 1913.*

**Abbot, C. G., Fowle, F. E., & Aldrich, L. B.** The variation of the sun. p. 309-315. (June 4.)

**Humphreys, W[illiam] J[jackson].** Volcanic dust as a factor in the production of climatic changes. p. 365-371.

*Académie des sciences. Comptes rendus. Paris. Tome 156. 1913.*

**Störmer, Carl.** Sur une expédition pour l'observation des aurores boréales à Bossekop, au printemps de 1913. p. 1871-1872. (16 juin.)

**Berget, Alphonse.** Formule barométrique simplifiée pour la mesure des altitudes. p. 2031-2033. (30 juin.) [This is merely a revival of the Babinet formula. See *Comptes rendus*, 7 juillet, 1913. p. 84.]